

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/609,146
 DATE: 02/05/2001
 TIME: 10:29:56

Input Set : A:\Pto.amc
 Output Set: N:\CRF3\02052001\I609146.raw

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3 <110> APPLICANT: Bonini et al, James A.
5 <120> TITLE OF INVENTION: DNA Encoding SNORF62 And SNORF72 Receptors
7 <130> FILE REFERENCE: 60794-B
C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/609,146
C--> 10 <141> CURRENT FILING DATE: 2000-06-30
12 <150> PRIOR APPLICATION NUMBER: 09/558,099
13 <151> PRIOR FILING DATE: 2000-04-25
15 <160> NUMBER OF SEQ ID NOS: 46
17 <170> SOFTWARE: PatentIn Ver. 2.1
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 1318
21 <212> TYPE: DNA
22 <213> ORGANISM: Artificial Sequence
24 <220> FEATURE:
25 <223> OTHER INFORMATION: Description of Artificial Sequence: primer/probe
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29 ctctgtctctc cctggagacc tgtaccacagg ggggtgcaagg aaccccatgg ctgcaatgg 120
30 cagtgcggcc agggggcact ttgacctga ggacttgaac ctgactgacg aggcactgag 180
31 actcaagtae ctggggcccc agcagacaga gctgttcatg cccatctgtg ccacatacct 240
32 gctgatcttc gtgggtggcg ctgtgggcaa tgggctgacc tgtctggtca tctgcgcca 300
33 caaggccatg cgcacgccta ccaactacta cctcttcagc ctggccgtgt cggacctgct 360
34 ggtgtctgtg gtgggcctgc cctggagct ctatgagatg tggcacaact accccttctt 420
35 gctgggctgt ggtggctgct atttccgcac gctactgttt gagatggtct gctgggctc 480
36 agtgcctaac gtcactgccc tgagcgtgga acgctatgtg gccgtgggtg acccaactca 540
37 ggcaggtcc atgggtgacg gggcccatgt gcgcgagtg cttggggccg tctggggctt 600
38 tgccatgctc tgcctcctgc ccaacaccag cctgcacggc atccggcagc tgcacgtgcc 660
39 ctgccggggc ccagtgcag actcagctgt ttgcatgctg gtccgcccac gggccctcta 720
40 caacatggta gtgcagacca ccgcgtgct cttcttctgc ctgccatgg ccatcatgag 780
41 cgtgctctac ctgctcattg ggtgcgact gcggcgggag aggtgtgtgc tcatgcagga 840
42 ggcgaaggcc aggggctctg cagcagccag gtccagatac acctgcaggc tccagcagca 900
43 cgatcggggc cggagacaag tgaccaagat gctgtttgtc ctgggtcgtg tgtttggcat 960
44 ctgctggggc ccgttccaag ccgaccgcgt catgtggagc gtcgtgtcac agtggacaga 1020
45 tggcctgcac ctggccttcc agcagctgca cgtcatctcc ggcattctct tctacctggg 1080
46 ctgcggggcc aacccctgct tctatagcct catgtccagc cgtttccgag agaccttcca 1140
47 ggaggccctg tgcctcgggg cctgctgcca tcgctcaga ccccgccaca gctcccacag 1200
48 cctcagcagg atgaccacag gcagcaccct gtgtgatgtg ggtcccttgg gcagctgggt 1260
49 ccacccctg gctgggaacg atggccaga ggcgcagcaa gagaccgatc catcctga 1318
52 <210> SEQ ID NO: 2
53 <211> LENGTH: 426
54 <212> TYPE: PRT
55 <213> ORGANISM: Artificial Sequence
57 <220> FEATURE:
58 <223> OTHER INFORMATION: Description of Artificial Sequence: primer/probe
60 <400> SEQUENCE: 2
61 Met Thr Pro Leu Cys Leu Asn Cys Ser Val Leu Pro Gly Asp Leu Tyr
62 1 5 10 15

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64 Pro Gly Gly Ala Arg Asn Pro Met Ala Cys Asn Gly Ser Ala Ala Arg
65           20           25           30
67 Gly His Phe Asp Pro Glu Asp Leu Asn Leu Thr Asp Glu Ala Leu Arg
68           35           40           45
70 Leu Lys Tyr Leu Gly Pro Gln Gln Thr Glu Leu Phe Met Pro Ile Cys
71           50           55           60
73 Ala Thr Tyr Leu Leu Ile Phe Val Val Gly Ala Val Gly Asn Gly Leu
74 65           70           75           80
76 Thr Cys Leu Val Ile Leu Arg His Lys Ala Met Arg Thr Pro Thr Asn
77           85           90           95
79 Tyr Tyr Leu Phe Ser Leu Ala Val Ser Asp Leu Leu Val Leu Leu Val
80           100          105          110
82 Gly Leu Pro Leu Glu Leu Tyr Glu Met Trp His Asn Tyr Pro Phe Leu
83           115          120          125
85 Leu Gly Val Gly Gly Cys Tyr Phe Arg Thr Leu Leu Phe Glu Met Val
86           130          135          140
88 Cys Leu Ala Ser Val Leu Asn Val Thr Ala Leu Ser Val Glu Arg Tyr
89 145          150          155          160
91 Val Ala Val Val His Pro Leu Gln Ala Arg Ser Met Val Thr Arg Ala
92           165          170          175
94 His Val Arg Arg Val Leu Gly Ala Val Trp Gly Leu Ala Met Leu Cys
95           180          185          190
97 Ser Leu Pro Asn Thr Ser Leu His Gly Ile Arg Gln Leu His Val Pro
98           195          200          205
100 Cys Arg Gly Pro Val Pro Asp Ser Ala Val Cys Met Leu Val Arg Pro
101           210          215          220
103 Arg Ala Leu Tyr Asn Met Val Val Gln Thr Thr Ala Leu Leu Phe Phe
104 225          230          235          240
106 Cys Leu Pro Met Ala Ile Met Ser Val Leu Tyr Leu Leu Ile Gly Leu
107           245          250          255
109 Arg Leu Arg Arg Glu Arg Leu Leu Leu Met Gln Glu Ala Lys Gly Arg
110           260          265          270
112 Gly Ser Ala Ala Ala Arg Ser Arg Tyr Thr Cys Arg Leu Gln His
113           275          280          285
115 Asp Arg Gly Arg Arg Gln Val Thr Lys Met Leu Phe Val Leu Val Val
116           290          295          300
118 Val Phe Gly Ile Cys Trp Ala Pro Phe His Ala Asp Arg Val Met Trp
119 305          310          315          320
121 Ser Val Val Ser Gln Trp Thr Asp Gly Leu His Leu Ala Phe Gln His
122           325          330          335
124 Val His Val Ile Ser Gly Ile Phe Phe Tyr Leu Gly Ser Ala Ala Asn
125           340          345          350
127 Pro Val Leu Tyr Ser Leu Met Ser Ser Arg Phe Arg Glu Thr Phe Gln
128           355          360          365
130 Glu Ala Leu Cys Leu Gly Ala Cys Cys His Arg Leu Arg Pro Arg His
131           370          375          380
133 Ser Ser His Ser Leu Ser Arg Met Thr Thr Gly Ser Thr Leu Cys Asp
134 385          390          395          400
136 Val Gly Ser Leu Gly Ser Trp Val His Pro Leu Ala Gly Asn Asp Gly

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137              405              410              415
139 Pro Glu Ala Gln Gln Glu Thr Asp Pro Ser
140              420              425
143 <210> SEQ ID NO: 3
144 <211> LENGTH: 1298
145 <212> TYPE: DNA
146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: Description of Artificial Sequence: primer/probe
151 <400> SEQUENCE: 3
152 aggggagggt caggccttgg attttaatgt cagggatgga aaaacttcag aatgcttcct 60
153 ggaatctacca gcagaaacta gaagatccat tccagaaaca cctgaacagc accgaggagt 120
154 atctggcctt cctctgcgga cctcggcgca gccacttctt cctccccgtg tctgtggtgt 180
155 atgtgccaat ttttgggtg ggggtcattg gcaatgtcct ggtgtgcctg gtgattctgc 240
156 agcaccaggc tatgaagacy ccacccaact actacctctt cagcctggcg gtctctgacc 300
157 tctgtgtcct gctccttggg atgcccctgg aggtctatga gatgtggcgc aactaccctt 360
158 tcttgttctg gccctgtggc tgcacttcca agacggccct ctttgagacc gtgtgcttct 420
159 cctccatcct cagcatcacc accgtcagcg tggagcgcta cgtggccatc ctacaccctg 480
160 tccgcgcgca actgcagagc acccgcgccc gggccctcag gatcctcggc atcgtctggg 540
161 gcttctccct gctcttctcc ctgcccaaca ccaqcatcca tggcatcaag ttcactact 600
162 tccccaatgg gtcctgtggt ccagggtcgg ccacctgtac ggtcatcaag cccatgtgga 660
163 tctacaattt catcatccag gtcaacctct tctatttcta cctcctcccc atgaactgtc 720
164 tcagtgtcct ctactacctc atggcaactc gactaaagaa agacaaatct cttgaggcag 780
165 atgaagggaa tgcaaatatt caaagaccct gcagaaaaac agtcaacaag atgctgtttg 840
166 tcttggctct agtgtttgct atctgttggg ccccgttcca cattgaccga ctcttcttca 900
167 gcttgttgga ggagtggagt gaatccctgg ctgctgtggt caacctcgtc catgtggtgt 960
168 caggtgtctt ctctacctg agctcagctg tcaaccccat tatctataac ctactgtctc 1020
169 gccgttcca ggcagcattc cagaatgtga tctcttcttt ccacaaacag tggcactccc 1080
170 agcatgaccc acagtgtcca cctgcccgag ggaacatctt cctgacagaa tgccactttg 1140
171 tggagctgac cgaagatata ggtccccaat tcccatgtca gtcctccatg cacaactctc 1200
172 acctcccaac agcctctctc agtgaacaga lgtcaagaac aaactatcaa agcttccact 1260
173 ttaacaaaaa ctgaattctt tcagagctga ctctcttc 1298
176 <210> SEQ ID NO: 4
177 <211> LENGTH: 415
178 <212> TYPE: PRT
179 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Description of Artificial Sequence: primer/probe
184 <400> SEQUENCE: 4
185 Met Ser Gly Met Glu Lys Leu Gln Asn Ala Ser Trp Ile Tyr Gln Gln
186 1 5 10 15
188 Lys Leu Glu Asp Pro Phe Gln Lys His Leu Asn Ser Thr Glu Glu Tyr
189 20 25 30
191 Leu Ala Phe Leu Cys Gly Pro Arg Arg Ser His Phe Phe Leu Pro Val
192 35 40 45
194 Ser Val Val Tyr Val Pro Ile Phe Val Val Gly Val Ile Gly Asn Val
195 50 55 60
197 Leu Val Cys Leu Val Ile Leu Gln His Gln Ala Met Lys Thr Pro Thr
198 65 70 75 80

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200 Asn Tyr Tyr Leu Phe Ser Leu Ala Val Ser Asp Leu Leu Val Leu Leu
201      85      90      95
203 Leu Gly Met Pro Leu Glu Val Tyr Glu Met Trp Arg Asn Tyr Pro Phe
204      100      105      110
206 Leu Phe Gly Pro Val Gly Cys Tyr Phe Lys Thr Ala Leu Phe Glu Thr
207      115      120      125
209 Val Cys Phe Ala Ser Ile Leu Ser Ile Thr Thr Val Ser Val Glu Arg
210      130      135      140
212 Tyr Val Ala Ile Leu His Pro Phe Arg Ala Lys Leu Gln Ser Thr Arg
213 145      150      155      160
215 Arg Arg Ala Leu Arg Ile Leu Gly Ile Val Trp Gly Phe Ser Val Leu
216      165      170      175
218 Phe Ser Leu Pro Asn Thr Ser Ile His Gly Ile Lys Phe His Tyr Phe
219      180      185      190
221 Pro Asn Gly Ser Leu Val Pro Gly Ser Ala Thr Cys Thr Val Ile Lys
222      195      200      205
224 Pro Met Trp Ile Tyr Asn Phe Ile Ile Gln Val Thr Ser Phe Leu Phe
225      210      215      220
227 Tyr Leu Leu Pro Met Thr Val Ile Ser Val Leu Tyr Tyr Leu Met Ala
228 225      230      235      240
230 Leu Arg Leu Lys Lys Asp Lys Ser Leu Glu Ala Asp Glu Gly Asn Ala
231      245      250      255
233 Asn Ile Gln Arg Pro Cys Arg Lys Ser Val Asn Lys Met Leu Phe Val
234      260      265      270
236 Leu Val Leu Val Phe Ala Ile Cys Trp Ala Pro Phe His Ile Asp Arg
237      275      280      285
239 Leu Phe Phe Ser Phe Val Glu Glu Trp Ser Glu Ser Leu Ala Ala Val
240      290      295      300
242 Phe Asn Leu Val His Val Val Ser Gly Val Phe Phe Tyr Leu Ser Ser
243 305      310      315      320
245 Ala Val Asn Pro Ile Ile Tyr Asn Leu Leu Ser Arg Arg Phe Gln Ala
246      325      330      335
248 Ala Phe Gln Asn Val Ile Ser Ser Phe His Lys Gln Trp His Ser Gln
249      340      345      350
251 His Asp Pro Gln Leu Pro Pro Ala Gln Arg Asn Ile Phe Leu Thr Glu
252      355      360      365
254 Cys His Phe Val Glu Leu Thr Glu Asp Ile Gly Pro Gln Phe Pro Cys
255      370      375      380
257 Gln Ser Ser Met His Asn Ser His Leu Pro Thr Ala Leu Ser Ser Glu
258 385      390      395      400
260 Gln Met Ser Arg Thr Asn Tyr Gln Ser Phe His Phe Asn Lys Thr
261      405      410      415
264 <210> SEQ ID NO: 5
265 <211> LENGTH: 25
266 <212> TYPE: PRT
267 <213> ORGANISM: Artificial Sequence
269 <220> FEATURE:
270 <223> OTHER INFORMATION: Description of Artificial Sequence: primer/probe
272 <400> SEQUENCE: 5

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273 Phe Arg Val Asp Glu Glu Phe Gln Ser Pro Phe Ala Ser Gln Ser Arg
274   1           5           10           15
276 Gly Tyr Phe Leu Phe Arg Pro Arg Asn
277   20           25
280 <210> SEQ ID NO: 6
281 <211> LENGTH: 25
282 <212> TYPE: PRT
283 <213> ORGANISM: Artificial Sequence
285 <220> FEATURE:
286 <223> OTHER INFORMATION: Description of Artificial Sequence: primer/probe
288 <400> SEQUENCE: 6
289 Phe Lys Val Asp Glu Glu Phe Gln Gly Pro Ile Val Ser Gln Asn Arg
290   1           5           10           15
292 Arg Tyr Phe Leu Phe Arg Pro Arg Asn
293   20           25
296 <210> SEQ ID NO: 7
297 <211> LENGTH: 23
298 <212> TYPE: PRT
299 <213> ORGANISM: Artificial Sequence
301 <220> FEATURE:
302 <223> OTHER INFORMATION: Description of Artificial Sequence: primer/probe
304 <400> SEQUENCE: 7
305 Tyr Lys Val Asn Glu Tyr Gln Gly Pro Val Ala Pro Ser Gly Gly Phe
306   1           5           10           15
308 Phe Leu Phe Arg Pro Arg Asn
309   20
312 <210> SEQ ID NO: 8
313 <211> LENGTH: 8
314 <212> TYPE: PRT
315 <213> ORGANISM: Artificial Sequence
317 <220> FEATURE:
318 <223> OTHER INFORMATION: Description of Artificial Sequence: primer/probe
320 <400> SEQUENCE: 8
321 Tyr Phe Leu Phe Arg Pro Arg Asn
322   1           5
325 <210> SEQ ID NO: 9
326 <211> LENGTH: 24
327 <212> TYPE: DNA
328 <213> ORGANISM: Artificial Sequence
330 <220> FEATURE:
331 <223> OTHER INFORMATION: Description of Artificial Sequence: primer/probe
333 <400> SEQUENCE: 9
334 ccacgaagat cagcaggatat gtgg                24
337 <210> SEQ ID NO: 10
338 <211> LENGTH: 24
339 <212> TYPE: DNA
340 <213> ORGANISM: Artificial Sequence
342 <220> FEATURE:
343 <223> OTHER INFORMATION: Description of Artificial Sequence: primer/probe

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VERIFICATION SUMMARY DATE: 02/05/2001
PATENT APPLICATION: US/09/609,146 TIME: 10:29:57

Input Set : A:\Pto.amc
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L:9 M:270 C: Current Application Number differs, Replaced Application Number
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

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